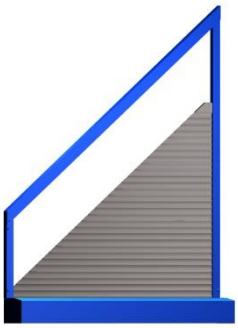
Assembly Instruction

Studio Star
Roller Shutter Type S
-Motor Drive-



	This assembly instruction contains important information on assembling roller shutters as well as important safety instructions. The assembly operation may only be carried out by specialized staff of Schanz Rollladensysteme GmbH or technicians especially authorized by Schanz Rollladen-systeme GmbH.

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Commission - Nr.	Date Installation and Instruction	Signature

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General Safety Information

This assembly instruction contains information for the correct installation of Schanz roller shutters. Due to the different types deviations may occur from this assembly instruction. However, this does not affect the security information.

Below described assembly steps may only be carried out by specialized staff of Schanz Rollladensysteme GmbH or technicians especially authorized by Schanz Rollladensysteme GmbH.

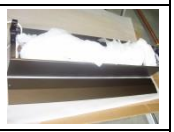
Adhere to the applicable regulations of the insurance association and take the necessary precautions for all work and consider the safety instructions in this document. Depending on accessibility, scaffoldings, ladders, fall protection devices, lifting devices and Personal Protective Equipment (e.g. safety helmet, safety boots etc.) is to be used.

Transport / Packaging / Unpacking

Depending on the route of transport and the expected conditions the roller shutter will be packed and the roller shutter jacket will be fixed in the roller shutter box. Depending on the type and size of the roller shutters they might be so heavy that a suitable load-carrying equipment and lifting tool has to be utilized.
Only use sufficiently dimensioned, safe and correctly fixated load-carrying equipment and lifting tools and avoid damages and injuries.

Check immediately if the product has been delivered without damage. Immediately complain about damaged roller shutters.

Removing the transportation safety devices:

Unscrew and open the cover of the roller shutter box	
Remove the foam sheets **<u>Caution</u>: The roller shutter jacket could unwind itself due to the initial tension within the drive system!**	
Remove entry mouth	
Remove the 4 slats which are connected to the jacket Put on the cover and screw it back	

Assembling / Installation/ Working on the facade

Each roller shutter is individually manufactured according to your window shape and size and must only be installed by Schanz Rollladensysteme GmbH or technicians especially authorized.

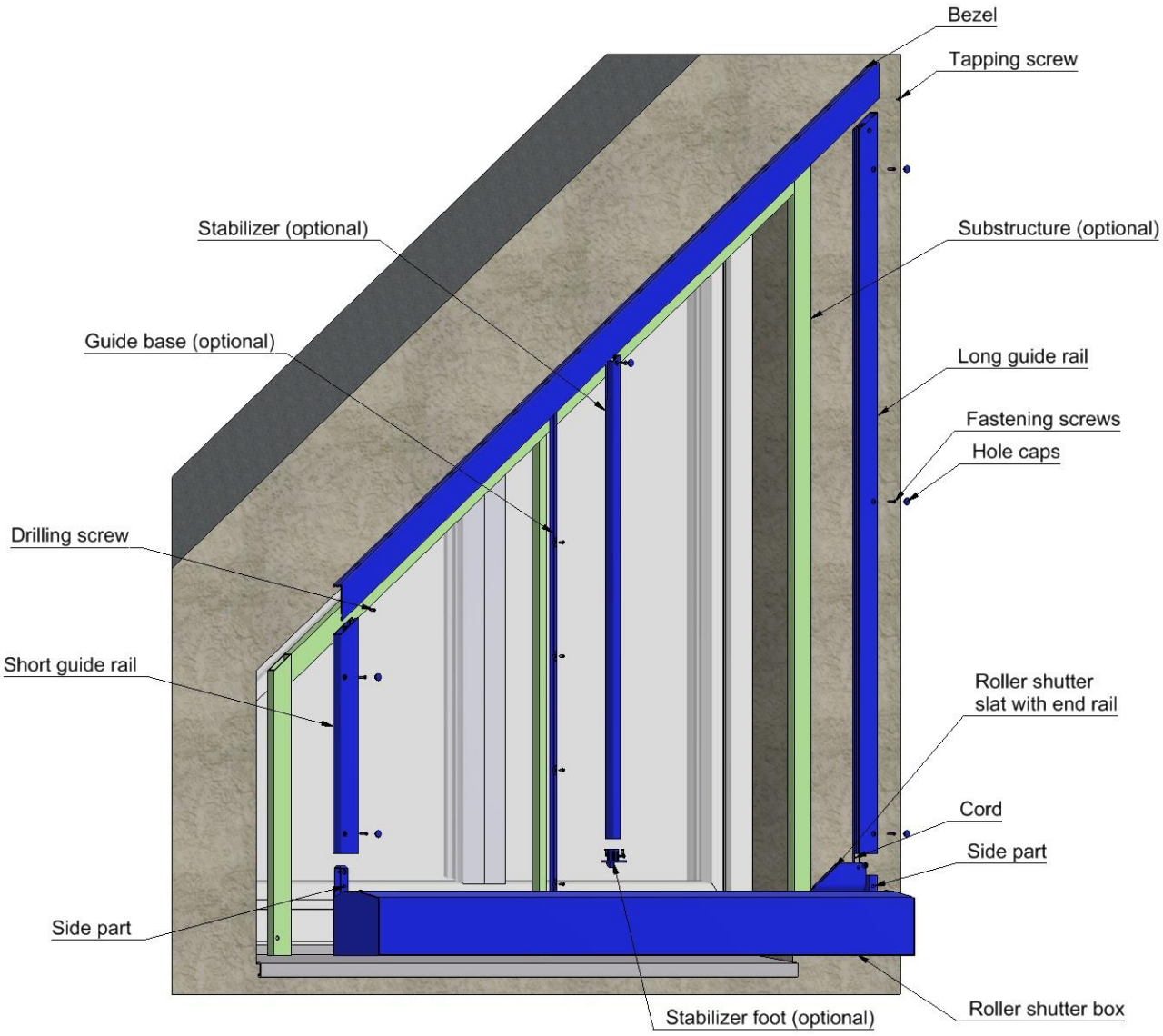
	The installation of the roller shutter has to be conducted following the information given in the assembly and safety instructions.

The installation of the roller shutters should only be conducted on ready-made rainproof facades!
The plastering of the roller shutter could lead to severe damages due to damp and furthermore make essential reparation difficult or even impossible.

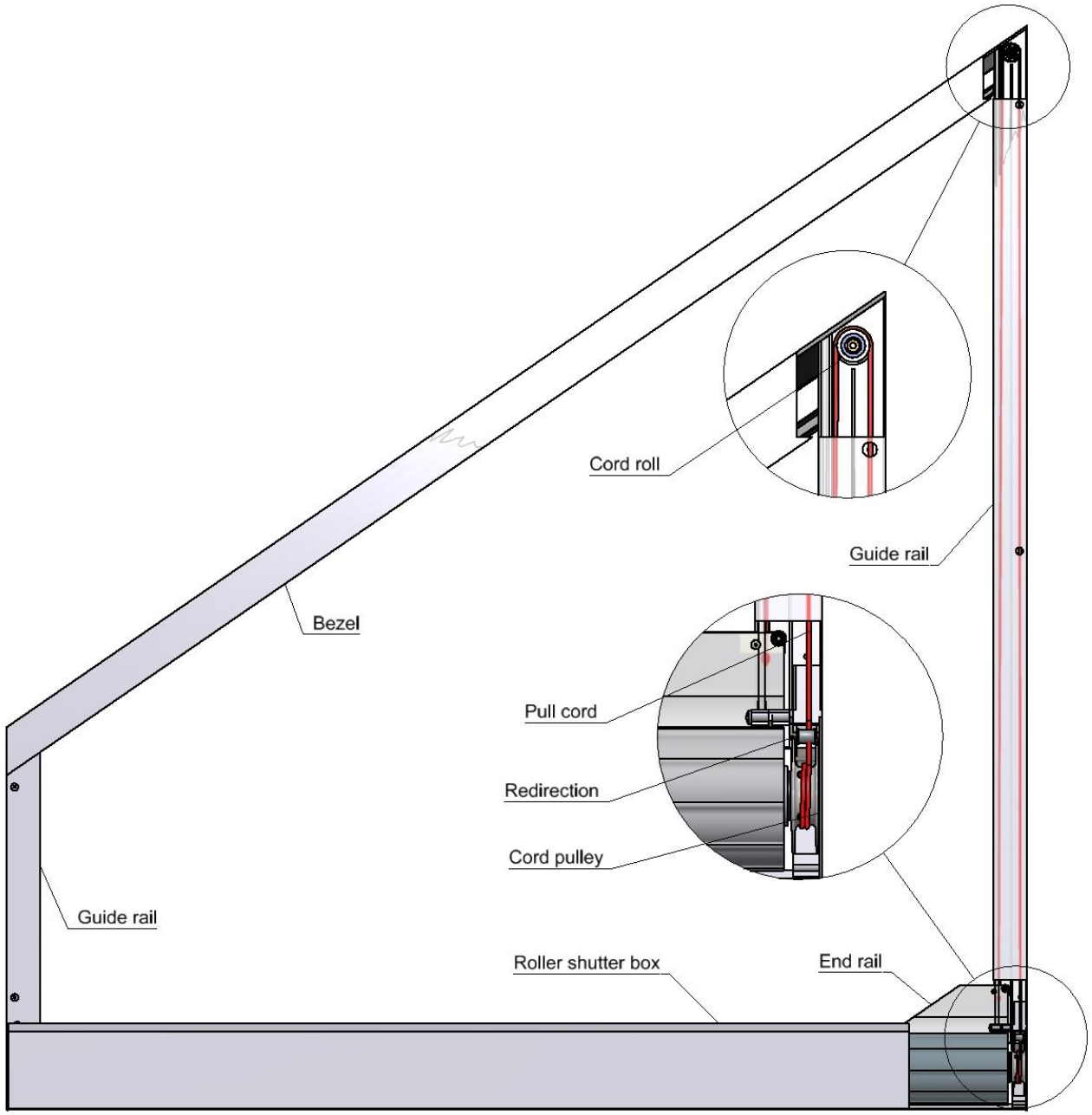
	The water drain holes on the bottom of the roller shutter box have to be clear at all times so that ingressed water can drain off! Under no circumstances may the shutter box be buried in the wall or stucco.

The roller shutter has to be fixed sufficiently and safe attuned to the ground!

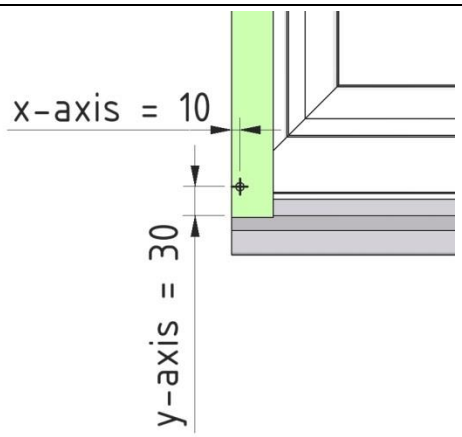
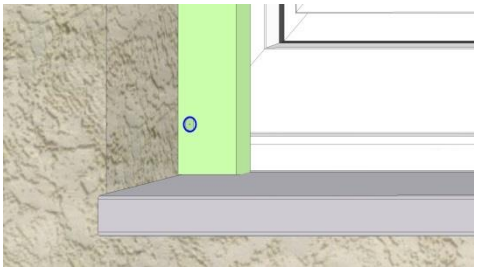
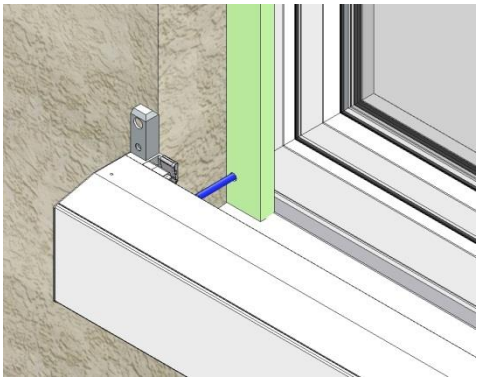
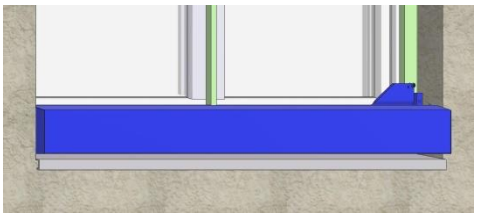
Assembly Drawing

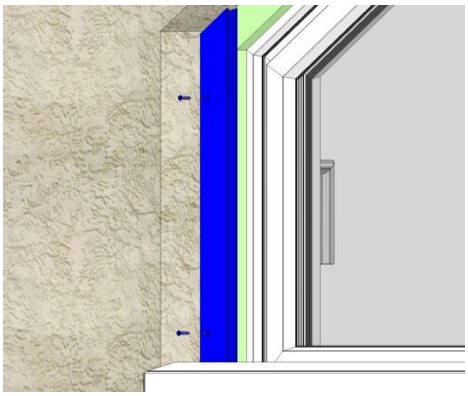
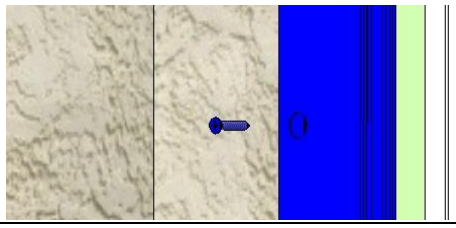
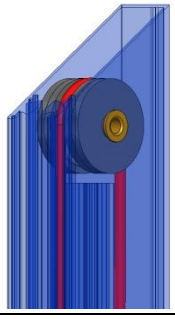
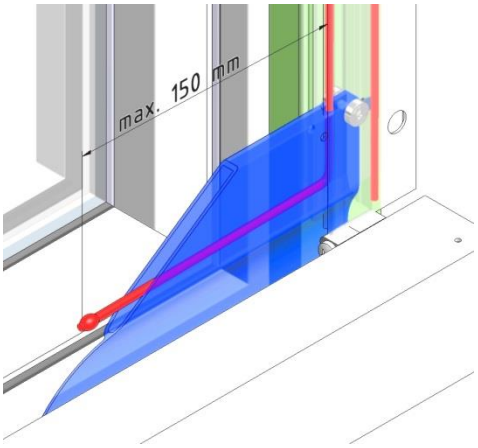
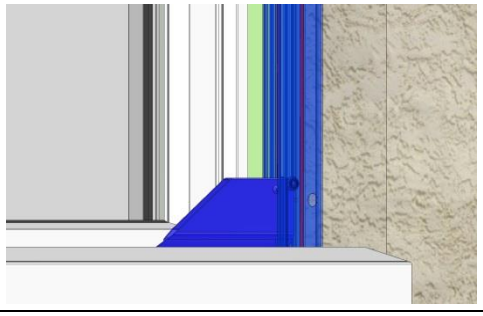


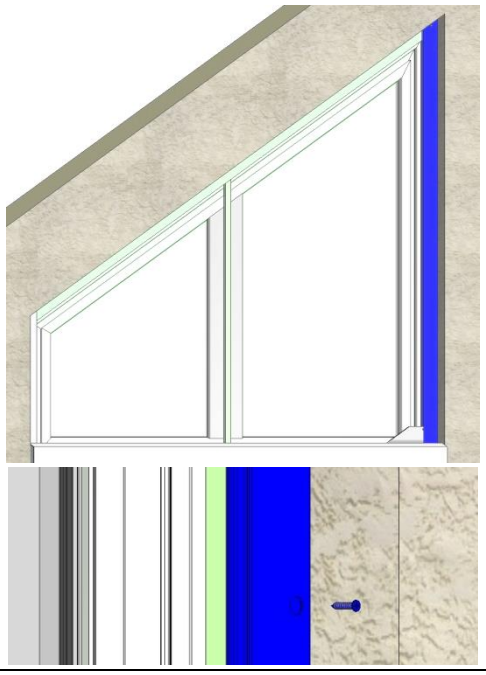
Cord Guidance

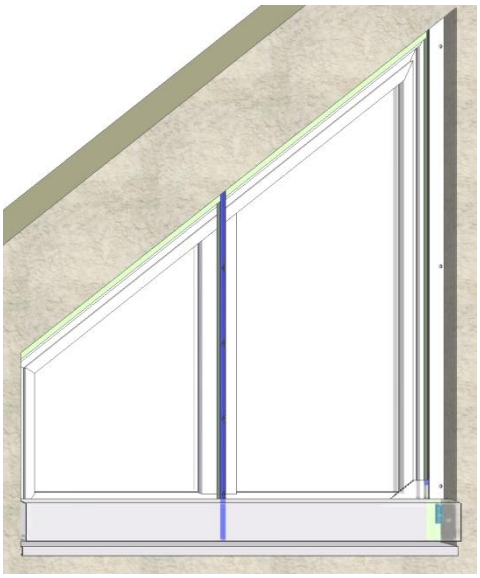
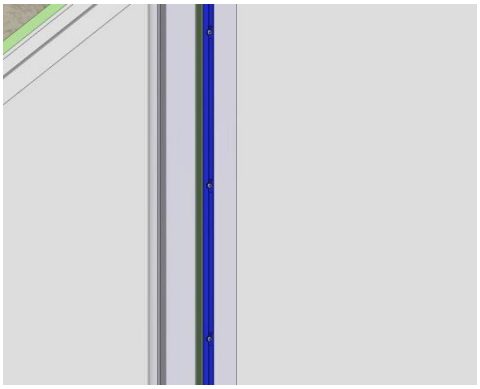
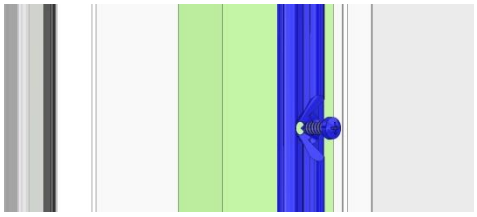


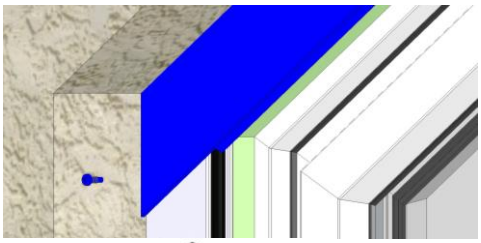
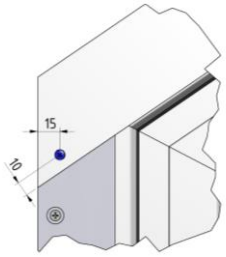
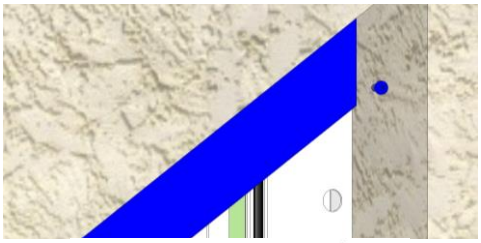
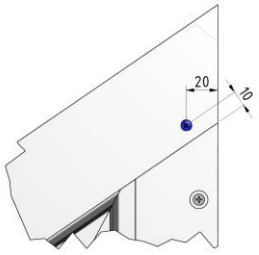
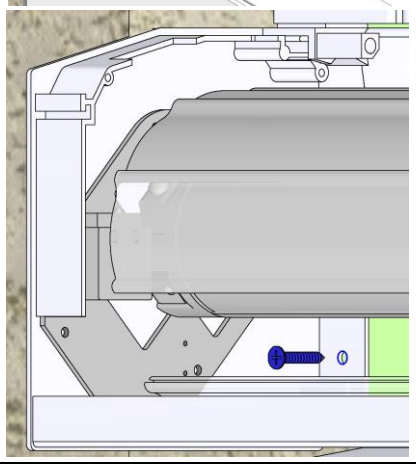
Description of the basic procedure

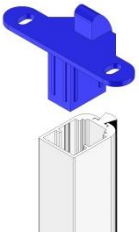
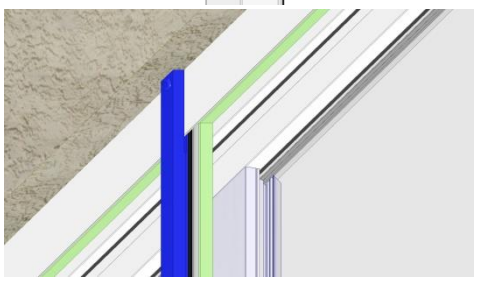
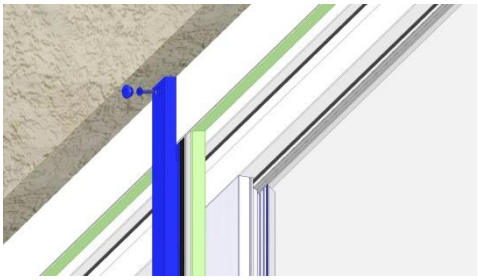
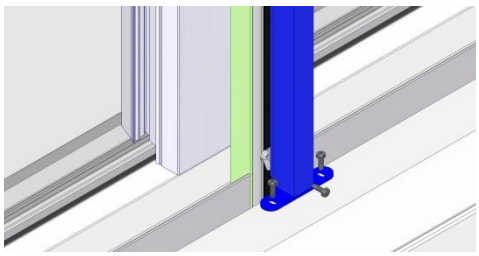
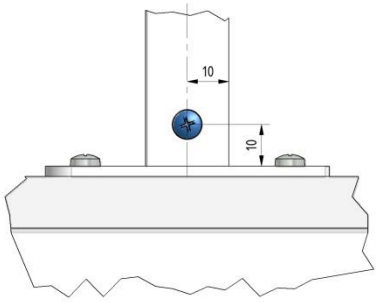
Step No.	Operation	Note	Check
	Check delivery for completeness		- Delivery is complete - Compare the goods with delivery note
00	Screw substructure to the window frame with appropriate fixing material	Optional	
10	Check the position of the cable outlet on the shutter box. Mark the hole for the cable routing on the window frame (optional substructure) - Basic Position: x-axis = 10 mm; y-axis = 30 mm		- Correct position of cable routing
20	Drill cable routing through window frame (optional: substructure) with Ø 10 mm		
30	Align cable routing and shutter box - Pass cable through and put the shutter box on the windowsill - Seal the hole with silicone - Check using a spirit level if the shutter box mounts horizontally on the windowsill. If necessary underlay the shutter box. **The drainage holes on the bottom of the roller shutter must be free so that ingressed water can drain off.**	 	- Overlay is necessary

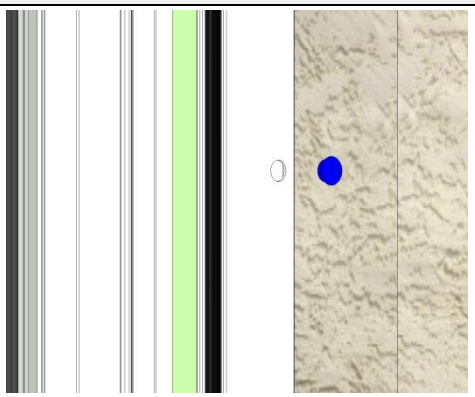
Step No.	Operation	Note	Check
40	Attach guide rail on the motor side - Put the short guide rail to the box - Check the right position using a spirit level - Screw the guide rail with appropriate fixing material and according to the number of fixing holes on the guide rail to the window frame (optional: Subconstruction)	 	
50	Pulling the cord through - Pull the cord through the guide rail and over the cord roll.		
60	Attach the cord - Pull the cord end in the end rail and through the end rail inset and knot it together - Pull the cord through completely until it is tight - The distance of the knot to the end rail hole should be 150 mm max. Note: In case the end rail is too long the roller shutter slat can be pulled out of the box and thereby the knot can be shortenend to the required length. - Overhangig cord should not be cut immediately after the knot – leave it longer for approximately 100mm - Melt the end of the cord with a cigarette lighter - - Put the end rail inset into the end rail and stow the remaining cord in the end rail.	 	- Overhanging cord is completely within the end rail

Step No.	Operation	Note	Check
70	Attach guide rail on the cord side - Check the right position using a spirit level - Screw the guide rails with appropriate fixing material and according to the number of fixing holes on the guide rail to the window frame (optional: Subconstruction)		- Do not damage the cord

Step No.	Operation	Note	Check
80	Attach Guide base (optional) - Push the guide base between roller shutter jacket and window frame (substructure) onto the bottom of the box and align it. - Screw the guide base with appropriate fixing material and according to the number of fixing holes on the guide rail to the window frame (optional: Subconstruction)	  	- Guide Base: optional

Step No.	Operation	Note	Check
90	Place the side bezel and screw it with a drilling screw on the short guide rail.	 	
100	Attach the bezel and screw it with a short tapping screw to the long guide rail	 	- Do not damage the cord
110	Attach Roller shutter box - Unscrew the screws of the box lid and open the roller shutter box - Screw the roller shutter box on the left and the right side through the side part and back panel with appropriate fixing material to the window frame (optional: substructure) **To prevent the box from twisting due to the forces acting, it must be fastened.**	 	

Step No.	Operation	Note	Check
	Note: It is recommended to perfom this step after setting the roller shutter.	Optional	- Stabilizer optional
120	Install the stabilizer (optional) - Put the stabilizer foot into the stabilizer - Push the stabilizer with the intended slit on the bezels - Predrill a hole for the countersunk screw, lower it and then screw together the stabilizer with the bezels using an appropriate screw. - Place the hole cap - Align the stabilizer and screw it with the provided drilling screws to the box - Screw together the stabilizer with the stabilizer foot.	    	- Mind the correct position

Step No.	Operation	Note	Check
130	Completion of the installation: Place the hole caps according to the amount of anchor points on the guide rail		-
	Setting the roller shutter according to the Operating Instructions “Electronic Motor”, “Wireless-Electronic Motor” or “Mechanical Motor” <u>Default delivery status:</u> (Drive with electric motor) - The system is preloaded - The motor is in learning mode **Attention: Please note the information labels on the roller shutter box!**		Final inspection: - The roller shutter is accurately tight and hole caps are available - Water drain holes are clear - Roller shutter is working - Instruction took place - Documentation handed over
	Connect the roller shutter according to the instruction „Connecting Diagram”		

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